

Amendments to the Abstract:

Please replace the abstract with the rewritten abstract provided on a separate sheet attached hereto.

Attachment A: Replacement Sheet For Abstract

ABSTRACT OF THE DISCLOSURE

A schedule management table is additionally provided in a scheduling system comprising: a time slot for specifying, in slots, the cell transfer sequence of individual lines in one turn; a cell read sequence management table having elements to which the lines are set as cell transfer objects; a schedule computation section for controlling the setting of the lines to the cell read sequence management table; and an allocation processing section for converting the elements of the cell read sequence management table to specified positions of the slots in the time slot. The schedule management table indicates positions, within the cell read sequence management table, to which transfer object lines are newly set, for each PCR (peak cell rate) value. The scheduling system can reduce the necessity of update of the cell read sequence management table and can execute data transfer which assures the rate of each ATM line.